AN ESTIMATION OF FUTURE FARM MANAGEMENT WITH THE RESPECT OF TECHNOLOGICAL DEVELOPMENTS

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SUMMARY

The applications of farm management principles have been very difficult due to lack of data until last decade. Recent developments in technologies such as sensor, internet, digital technology, wireless, Global Position System (GPS), and Geographic Information System (GIS) make easy to collect data from agricultural enterprises which makes decision for planning, application, analyses, and control. Technological developments create environmental friendly farm opportunities as well as new term “Precision Farming”. Using advanced technologies in agriculture for Precision Farming is increasing rapidly especially in the developed countries such as USA, Japan, and some members of EU. At the same time more than half of developing countries try to have application of PF too. It seems that one day farmers will be able to applied advanced technologies in order to manage 10 000 hectare with internet, wireless, GPS, digital technologies by just 2-3 people employee.

The study was contacted with advantaged technologies use in agriculture and discusses future farm management with the respect of technological development. It is estimation for the future farm management principles. Materials were collected from recent releases literatures and the application of a project titled “Establishing an infrastructure Research and Development for using Advantaged Technologies in Agriculture” in Konya, Turkey supported by State Planning Organization.